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Amendments to the Claims

The following listing of claims replaces all prior versions of the claims pending in this application. Please cancel claims 1-9 without prejudice to their subsequent introduction into this application or a related application.

1. – 9. (Canceled)

10. (New) An optical communication system comprising:

one or more optical radiation transmitters;

a means of coupling optical radiation from the, or each, optical radiation transmitter into a multimode fibre using a launch which restricts the number of modes excited in the fibre; and

a photodetector,

characterized by the feature that the, or each, optical radiation transmitter is a single transverse mode laser transmitter and that the transmission signals used are radio frequency signals.

11. (New) An optical communication system according to claim 10 where the means of coupling light into the fibre produces a launch which is co-linear but at an offset to the fibre axis.

12. (New) An optical communication system according to claim 11 where the fibre has a core diameter of 62.5 μm and where the offset distance measured from the centre of the multimode fibre core to the centre of the optical radiation emitted from the transmitter is from approximately 10 μm to approximately 30 μm.

13. (New) An optical communication system according to claim 12 where the offset distance measured from the centre of the multimode fibre core to the centre of the optical radiation

emitted from the transmitter is from approximately 23 μm to approximately 30 μm.